

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A private wireless network, to which private network mobile stations subscribe, integrated with a public wireless network, to which public network mobile stations subscribe, said private wireless network being able to provide wireless telecommunications services to at least one mobile station that subscribes to said private wireless network and to said public wireless network, said public wireless network having a public network subscriber database containing a public network data record for each of said public network mobile stations, including a first data record for said at least one mobile station, said public wireless network providing a public network coverage area within which said at least one mobile station can communicate with said public wireless network over an air interface, said public wireless network including a public mobile switching center (MSC) serving mobile stations operating in said public network coverage area, said private wireless network comprising:

at least one base station providing a private network coverage area, said at least one mobile station being able to communicate with said at least one base station over an air interface when said at least one mobile station is operating in said private network coverage area;

a switching system in communication with said at least one base station, said switching system including a private MSC serving mobile stations operating in said private network coverage area; and

a gateway service control point (SCP) in communication with said switching system,
wherein said gateway SCP provides call processing instructions in response to queries from said
switching system; and

a private network subscriber database located in said gateway SCP ~~accessible by said~~
~~switching system~~, said private network subscriber database containing a private network data
record for each of said private network mobile stations, including a second data record for said at
least one mobile station.

2. (canceled)

3. (canceled)

4. (currently amended) The private wireless network of claim 1 ~~3~~, wherein said public
network subscriber database is located in a home location register (HLR).

5. (currently amended) The private wireless network of claim 1 ~~3~~, wherein said first data
record includes a first locator address for locating said at least one mobile station and said second
data record includes a second locator address for locating said at least one mobile station.

6. (original) The private wireless network of claim 5, wherein said first locator address
identifies said gateway SCP and said second locator address identifies said switching system.

7. (currently amended) The private wireless network of claim 1 ~~3~~, wherein said gateway SCP includes a plurality of service logic modules.

8. (original) The private wireless network of claim 4, wherein said HLR includes a plurality of service logic modules.

9. (canceled)

10. (previously presented) The private wireless network of claim 1, wherein said switching system includes a second private MSC.

11. (previously presented) The private wireless network of claim 1, wherein said switching system includes a first private branch exchange (PBX).

12. (original) The private wireless network of claim 11, wherein first PBX communicates with said gateway SCP via a computer telephony interface (CTI).

13. (original) The private wireless network of claim 11, wherein said switching system includes a second PBX.

14. (original) The private wireless network of claim 1, wherein said first data record includes a first service profile for said at least one mobile station and said second data record includes a second service profile for said at least one mobile station.

15. (original) The private wireless network of claim 14, wherein said first service profile differs from said second service profile.

16. (previously presented) The private wireless network of claim 1, wherein said private network wireless coverage area overlaps said public network coverage area.

Claims 17-53: Canceled